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10/027,066	12/21/2001	Thomas N. Turba	RA5411 (33012/329/101)	9769	
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UNISYSCORPORATION			WU, YI	WU, YICUN	
MS 4773 PO BOX 64942	2		ART UNIT	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

82

Application No. Application No. Application No. TURBA ET AL.							
## Deficies Action Summary Examiner Yicun Wu	•	Application No.	Applicant(s)				
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III. DETAILED ACTION

1. Claims 1-20 are presented for examination.

Specification

- 2. This Specification is objected to for the following informalities:
- a) The disclosure contains embedded hyperlinks and/or other form of browser-executable code. Applicant is required to delete embedded hyperlinks and/or other form of browser-executable code. Application should be checked throughout for embedded hyperlinks. See MPEP § 608.01.
- b) On page 1, line 6, Page 26, lines 5-7 and page 40, lines3-5 the application number and filing date are missing; andAppropriate action is required.

Claim Rejections - 35 USC § 102

- 3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - A person shall be entitled to a patent unless -
 - (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 3. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated over Chau et al., (U. S. Patent No. 6,721,727).

As to claim 1, <u>Chau et al</u>. discloses a data processing system including a legacy data base management system having a command language coupled to a publically accessible digital data communication network comprising:

- a response generated by the legacy data base management system (i.e. the XML system supports legacy flat files)(col. 8, lines 15-21) and (col. 44, lines 40-45); and
- a facility for converting the response into an XML message (Fig. 10, step 1006) which is transferable over the publically

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accessible digital data communication network (i.e. internet or intranet) (col. 5, lines 50-52)

As to claim 2, <u>Chau et al</u>. discloses a data processing system wherein the facility further comprises an output definition table (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21).

As to claim 3, <u>Chau et al</u>. discloses a data processing system wherein the facility further comprises a document type definition corresponding to the XML message (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21).

As to claim 4, <u>Chau et al</u>. discloses a data processing system wherein the facility includes storage for the output definition table (col. 4, lines 25-31 and Fig. 4, item 404).

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As to claim 5, <u>Chau et al</u>. discloses a data processing system wherein the facility further comprises a repository responsively coupled to the legacy data base management system wherein the output definition table and the document type definition are stored within the repository (col. 16, lines 45-54 and Fig. 2, items 200, 202, 206 and 210 and Fig. 10, item 10).

As to claim 6, <u>Chau et al</u>. discloses an apparatus comprising:

- a. publically accessible digital data communication network
 (i.e. internet or intranet) (col. 5, lines 50-52);
- b. a data base management system having an internal format different from XML responsively (i.e. an XML column is used to store entire XML documents in the native XML format.)(col. 7, lines 66-67) coupled to the publically accessible digital data communication network (i.e. internet or intranet)(col. 5, lines 50-52) which generates a response in the internal format (col. 7, lines 66-67) and (col. 8, lines 1-5); and
- c. an Output Definition Table which converts the response into an XML document for transmission (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath

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data model) (col. 3, lines 15-21) on the publically accessible digital data communication network (i.e. internet or intranet) (col. 5, lines 50-52).

As to claim 7, Chau et al. discloses an apparatus further comprising:

a Document Type Definition (DTD) which defines a format of the XML document (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21).

As to claim 8, Chau et al. discloses an apparatus further comprising:

a repository within the data base management system for storage of the Output Definition Table (col. 4, lines 25-31 and Fig. 4, item 404).

As to claim 9, <u>Chau et al</u>. discloses an apparatus further comprising:

a window for user activation of the Output Definition Table (i.e. In the Document Access Definition, applications can make a

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custom mapping between database column data in new or existing tables to XML elements or attributes) (col. 8, lines 35-46).

As to claim 10, <u>Chau et al</u>. discloses an apparatus further comprising:

wherein the publically accessible digital data communication system further comprises the Internet (i.e. internet or intranet) (col. 5, lines 50-52).

As to claim 11, <u>Chau et al</u>. discloses a method of supplying a response from a data base management system comprising:

- a. transferring a service request to the data base management system (col. 4, lines 15-24 and Fig. 1) via a publically accessible digital data communication network (i.e. internet or intranet) (col. 5, lines 50-52);
- b. processing the service request by the data base management system to produce a response (col. 4, lines 15-24 and Fig. 1);
- c. converting the response into an XML document using an Output Definition Table (ODT) (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21); and

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d. transmitting the XML document via the publically accessible digital data communication network (i.e. internet or intranet) (col. 5, lines 50-52).

As to claim 12, <u>Chau et al</u>. discloses a data processing system wherein the facility further comprises an output definition table (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21).

As to claim 13, <u>Chau et al</u>. discloses a method wherein the Output Definition Table is dynamically generated from storage (i.e. The XML System also allows overrides of query conditions explicity or implicitly defined in the DAD, by parsing the SQL or XML XPath based override parameter to the composition stored procedures. In this way, it supports dynamic query for generating XML documents.) (col. 8, lines 46-50).

As to claim 14, <u>Chau et al</u>. discloses a method wherein the converting step further comprises an XML element to source mapping tree containing an internal representation that assures

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conformance to the Document Type Definition (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21) and (i.e. a document object model tree is generated using a document access definition. The document object model tree is traversed to obtain information to retrieve relational data. The relational data is mapped to one or more XML documents.) (col. 3, lines 16-21).

As to claim 15, <u>Chau et al</u>. discloses a method wherein the publically accessible digital data communication network further comprises the Internet (i.e. internet or intranet) (col. 5, lines 50-52).

As to claim 16, <u>Chau et al</u>. discloses an apparatus comprising:

- a. means for transmitting an XML document via a publically accessible digital data communication network (i.e. internet or intranet) (col. 5, lines 50-52);
- b. means responsively coupled to the transmitting means for processing a service request to produce a response (col. 4, lines 15-24 and Fig. 1);

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c. means responsively coupled to the processing means for converting the response into the XMI, document (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21); and

d. means responsively coupled to the converting means and the transmitting means for sending the XML document (i.e. an XML column is used to store entire XML documents in the native XML format.)(col. 7, lines 66-67) to the transmitting means for transmission via the publically accessible digital data communication network (i.e. internet or intranet)(col. 5, lines 50-52).

As to claim 17, <u>Chau et al</u>. discloses an apparatus wherein the processing means further comprises

a repository (col. 4, lines 25-31 and Fig. 4, item 404).

As to claim 18, <u>Chau et al</u>. discloses an apparatus comprising means for defining a format of the XML document (i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model) (col. 3, lines 15-21).

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As to claim 19, <u>Chau et al</u>. discloses an apparatus wherein the transmitting means further comprises the Internet (i.e. internet or intranet) (col. 5, lines 50-52).

As to claim 20, <u>Chau et al</u>. discloses an apparatus wherein the storing means stores the defining means for future use ((i.e. The XML data is mapped from the application DTD to the relational tables and columns using the document access definition based on the XPath data model)(col. 3, lines 15-21).

Prior Art Made of Record

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Meltzer et al. (U.S. Patent No. 6,226,675);

Cheng (U.S. Patent No. 6,366,934);

Cheng (U.S. Patent No. 6,421,656); and

Cheng (U.S. Patent No. 6,584,459).

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 703-305-4889. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Yicun Wu Patent Examiner Technology Center 2100 DIANE D. MEMAHI PRIMARY PATENT EXAMINER TECHNOLOGY CENTER 2100

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